

FILE NOTATIONS

Entered in NID File

Location Map Pinned

Card Indexed

.....

.....

.....

..... By Chief

..... Letter

..... Disapproval Letter

COMPLETION DATA:

Date Well Completed

Location Inspected

..... WW..... TA.....

Bond released

GR..... CD..... FA.....

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BRC Sonic GR..... Lat..... MI-L..... Sonic

CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1274' FNL & 1697' FEL

At proposed prod. zone

Same as Surface

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

34 miles northeast of Moab, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

4115'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

4449'

16. NO. OF ACRES IN LEASE

1,916.32

19. PROPOSED DEPTH

5,800'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

160 acres

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6925' GR (Ungraded)

22. APPROX. DATE WORK WILL START*

6-15-79

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	150'	180 sx.
12-1/4"	8-5/8"	32#	3200'	1950 sx.
7-7/8"	5-1/2"	17#	5800'	425 sx.

PROPOSED PLAN OF PROCEDURE:

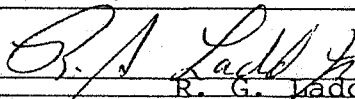
Drill 17-1/2" hole to 150'. Run and cement 13-3/8" casing with cement calculated to circulate. Drill 12-1/4" hole to 3200' with mud. Run and cement 8-5/8" casing with cement calculated to circulate to surface. Drill 7-7/8" hole to 5800' TD using mud. Run logs and if production is indicated, run and cement 5-1/2" liner. Perforate and complete using 2-7/8" tubing.

Install and test B.O.P. before drilling out surface casing shoe. B.O.P. will be operationally tested daily and each test will be logged.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE

District Drilling Supt. DATE 4-12-79

R. G. Ladd, Jr.

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

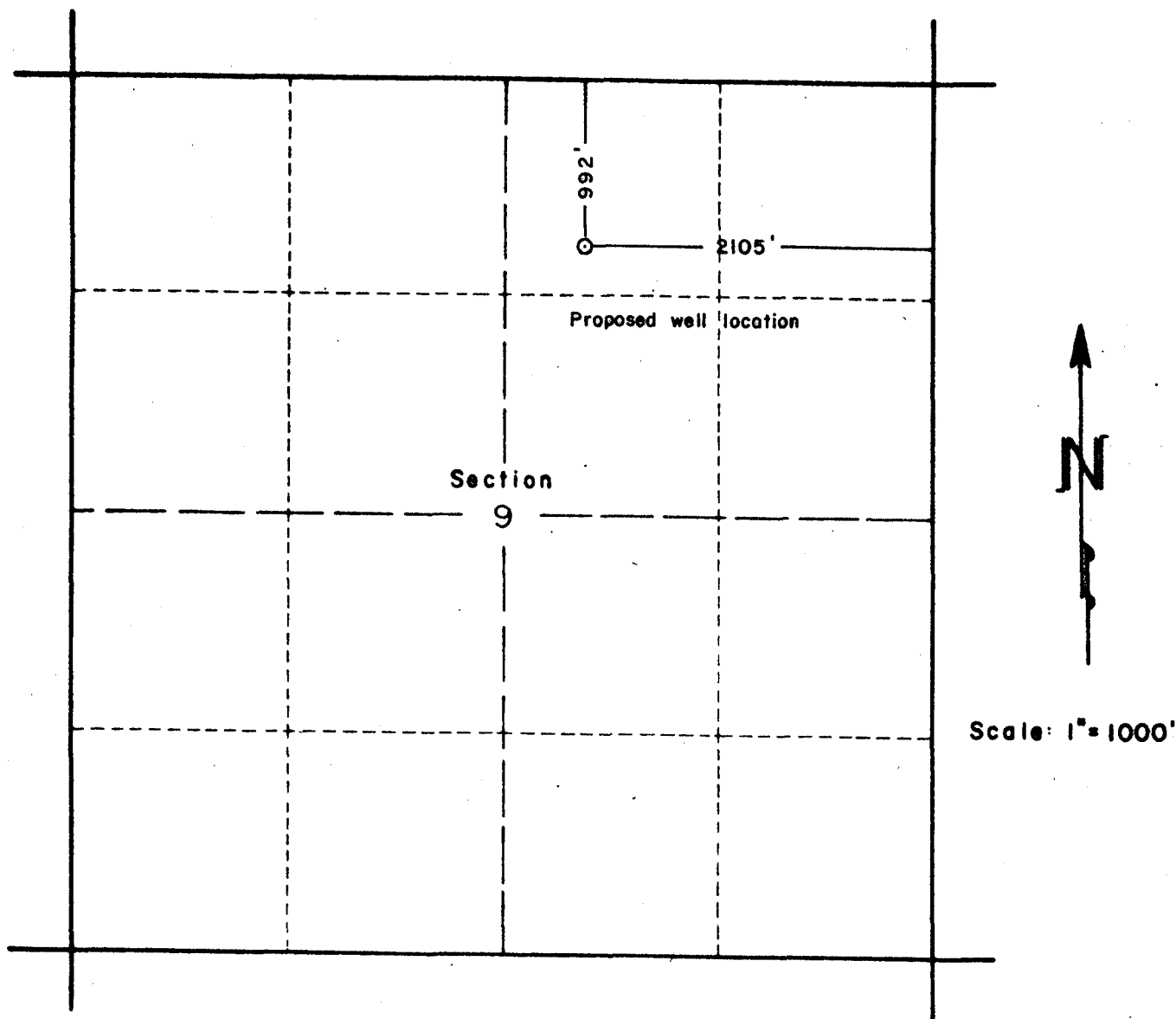
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



WELL LOCATION: Union Oil Co. Big Indian Unit No. 8-B9

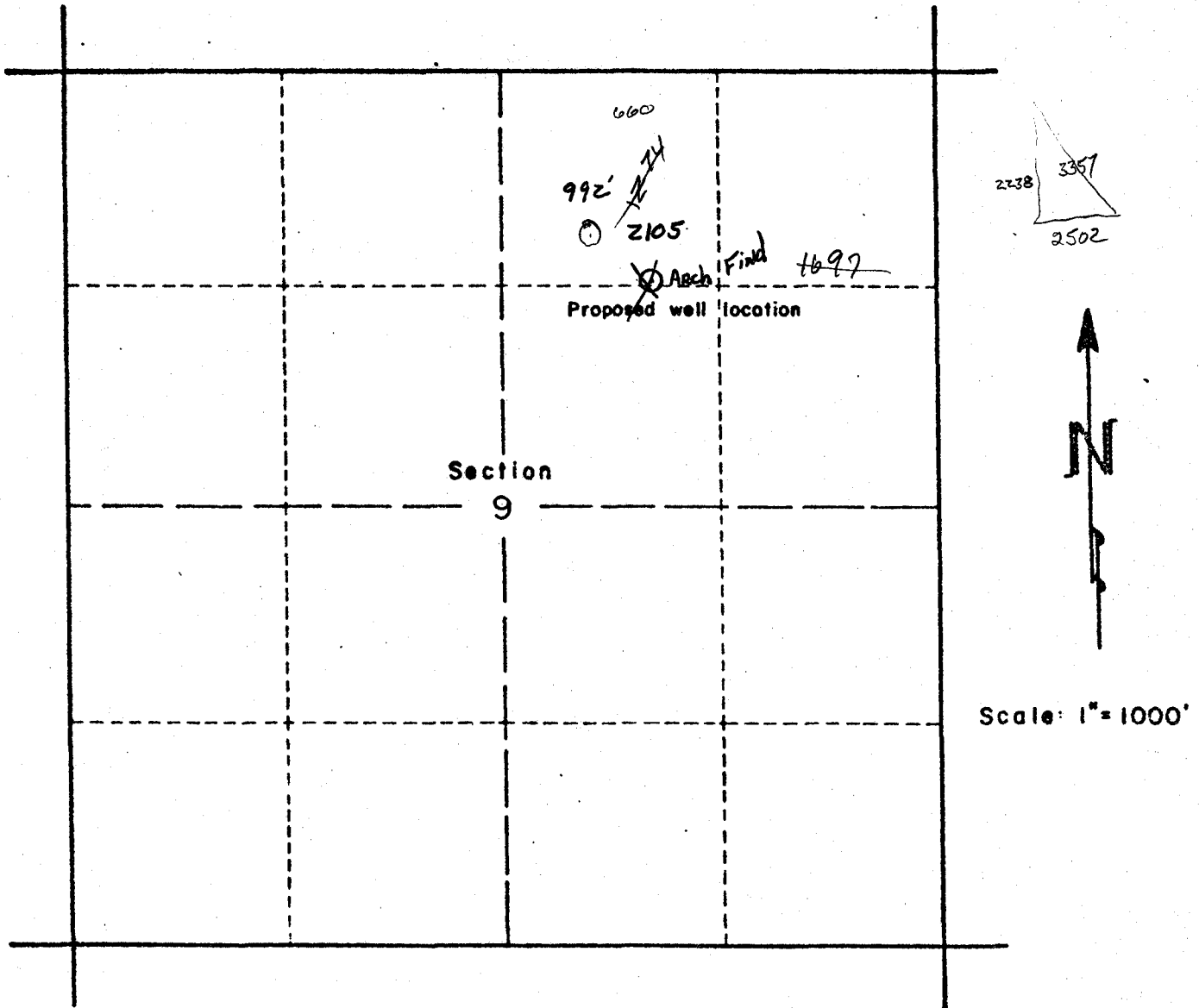
Located 992 feet South of the North line and 2105 feet West of the East line of Section 9
 Township 30 South Range 25 East Salt Lake Base & Meridian
 San Juan County, Utah.
 Existing ground elevation determined at 6966 feet based on adjoining locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed
FREDERICK H. REED
 Registered Land Surveyor



UNION OIL CO. CASPER, WYO.	
WELL LOCATION PLAT Big Indian No. 8-B9 Sec. 9, T 30 S, R 25 E San Juan Co., Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: May 13, 1979 FILE NO: 79035



WELL LOCATION: Union Oil Co. Big Indian Unit No. 8-B9

Located 1274 feet South of the North line and 1697 feet West of the East line of Section 9
 Township 30 South Range 25 East Salt Lake Base & Meridian

Existing ground elevation determined at 6925 feet based on adjoining locations.

I hereby certify the above plat represents a survey made under my supervision and that it is correct to the best of my knowledge and belief.

Frederick H. Reed
FREDERICK H. REED
 Registered Land Surveyor

Attachment No. 1

UNION OIL CO. CASPER, WYO.	
WELL LOCATION PLAT Big Indian No. 8-B9 Sec. 9, T 30 S, R 25 E San Juan Co., Utah	
CLARK-REED & ASSOC Durango, Colorado	DATE: APRIL 6, 1979 FILE NO: 79017

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: April 20, 1979

Operator: Union Oil Co. of California

Well No: Big Indian 8-B9

Location: Sec. 9 T. 30S R. 25E County: San Juan

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number: 43-037-30483

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.G. Minder 5-2-79

Remarks:

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

Surface Casing Change ☐
to _____

Rule C-3(c) Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐

O.K. In _____ Unit

Other:

☒ Letter Written/Approved

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Big Indian

9. WELL NO.

8-B9

10. FIELD AND POOL, OR WILDCAT

Big Indian

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 9, T30S, R25E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

1274' FNL & 1697' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6925' GR (Ungraded)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) DRILL UNORTHODOX LOCATION

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☐
☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Union Oil Company of California proposes to drill Big Indian Well No. 8-B9 1274' FNL & 1697' FEL, Section 9, Township 30 South, Range 25 East, San Juan County, Utah. This well has been staked as an unorthodox location because of the prevailing topographic features. Two days were spent with the surveyor in an attempt to find an orthodox location. Union Oil Company has Sections 7, 8, and 9 leased and also Section 10 except for the NE/4 of the SW/4 which Husky Oil Company has leased and the south 320 acres of Sections 3 and 4 which are exceptionally long sections running north and south, along with the west halves of Sections 11 and 12, Township 30 South, Range 25 East. The closest Honaker Trail production is Union's Big Indian No. 4 well, located in the SW/4 of Section 14, which is approximately 2 miles southeast of the proposed location.

Union Oil Company of California requests permission to drill this unorthodox location.

(In connection with the Application for Permit to Drill subject well submitted on April 16, 1979.)

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.
R. G. Ladd, Jr.

TITLE

District Drilling Supt.

DATE

4-27-79

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 5-2-79

BY: *M. J. Minder*

*See Instructions on Reverse Side

PROSPECT: BIG INDIAN PROSPECT NO 6516
COUNTY: SAN JUAN STATE UTAH
DISTRICT: ROCKY MT. DATE 10-10-78
Scale 1" = 4000'

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE MCINTYRE

CLEON B. FEIGHT
Director

May 4, 1979

UNION OIL COMPANY OF CALIFORNIA
P O BOX 2620
CASPER WY 82602

Re: Well No. Big Indian 8-B9, Sec. 9, T. 30S, R. 25E, San Juan County, UT

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Geological Engineer
HOME: 876-3001
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30483.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Cleon B. Feight, Director

/lw

cc: U. S. Geological Survey

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Big Indian

9. WELL NO.

8-B9

10. FIELD AND POOL, OR WILDCAT

Big Indian

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 9, T.30S., R.25E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1274' FNL & 1697' FEL

14. PERMIT NO.

43-037-30483

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6925' GR (Ungraded)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☒

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Re: APD submitted 4-16-79

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Union Oil Company of California does not anticipate penetrating the Salt Formation while drilling Big Indian Unit Well No. 8-B9, and, therefore, will not penetrate any potash in the area.

(Re: Letter from Carl A. Barrick, USGS, Durango, Colorado, dated 4-27-79.)

RECEIVED
MAY 11 1979

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

TITLE District Dirg. Supt.

DATE 5-8-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. LEASE DESIGNATION AND SERIAL NO. U-8908	
2. NAME OF OPERATOR Union Oil Company of California		7. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602		8. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 992' FNL & 2105' FEL		9. FARM OR LEASE NAME Big Indian	
14. PERMIT NO.		9. WELL NO. 8-B9	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6966' (Ungraded)		10. FIELD AND POOL, OR WILDCAT Big Indian	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T.30S., R.25E.	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) DRILL UNORTHODOX LOCATION ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Union Oil Company of California proposes to drill Big Indian Well No. 8-B9 992' FNL & 2105' FEL, Section 9, Township 30 South, Range 25 East, San Juan County, Utah. This well had been staked as an unorthodox location at 1274' FNL & 1697' FEL due to topographic features. An archeological inspection was conducted on the location and it was determined that the original location would be on an Indian camp and that building the location would destroy the archeological site and disturb Indian artifacts. The proposed location will be out of the area of the archeological site. Also the road will not interfere with the site. Due to the topographic features and the archeological site, the well has been staked as an unorthodox location.

Union Oil Company has Sections 7, 8, and 9 leased and also Section 10 except for the NE/4 of the SW/4 which Husky Oil Company has leased and the south 320 acres of Sections 3 and 4 which are exceptionally long sections running north and south, along with the west halves of Sections 11 and 12, Township 30 South, Range 25 East. The closest Honaker Trail production is Union's Big Indian No. 4 well, located in the SW/4 of Section 14, which is approximately 2 miles southeast of the proposed location.

Union Oil Company of California requests permission to drill this unorthodox location.

(In connection with the Application for Permit to Drill subject well submitted on April 16, 1979.)

18. I hereby certify that the foregoing is true and correct

SIGNED

David A. Gomendi
David A. Gomendi

TITLE

Drilling Engineer

DATE 5-16-79

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

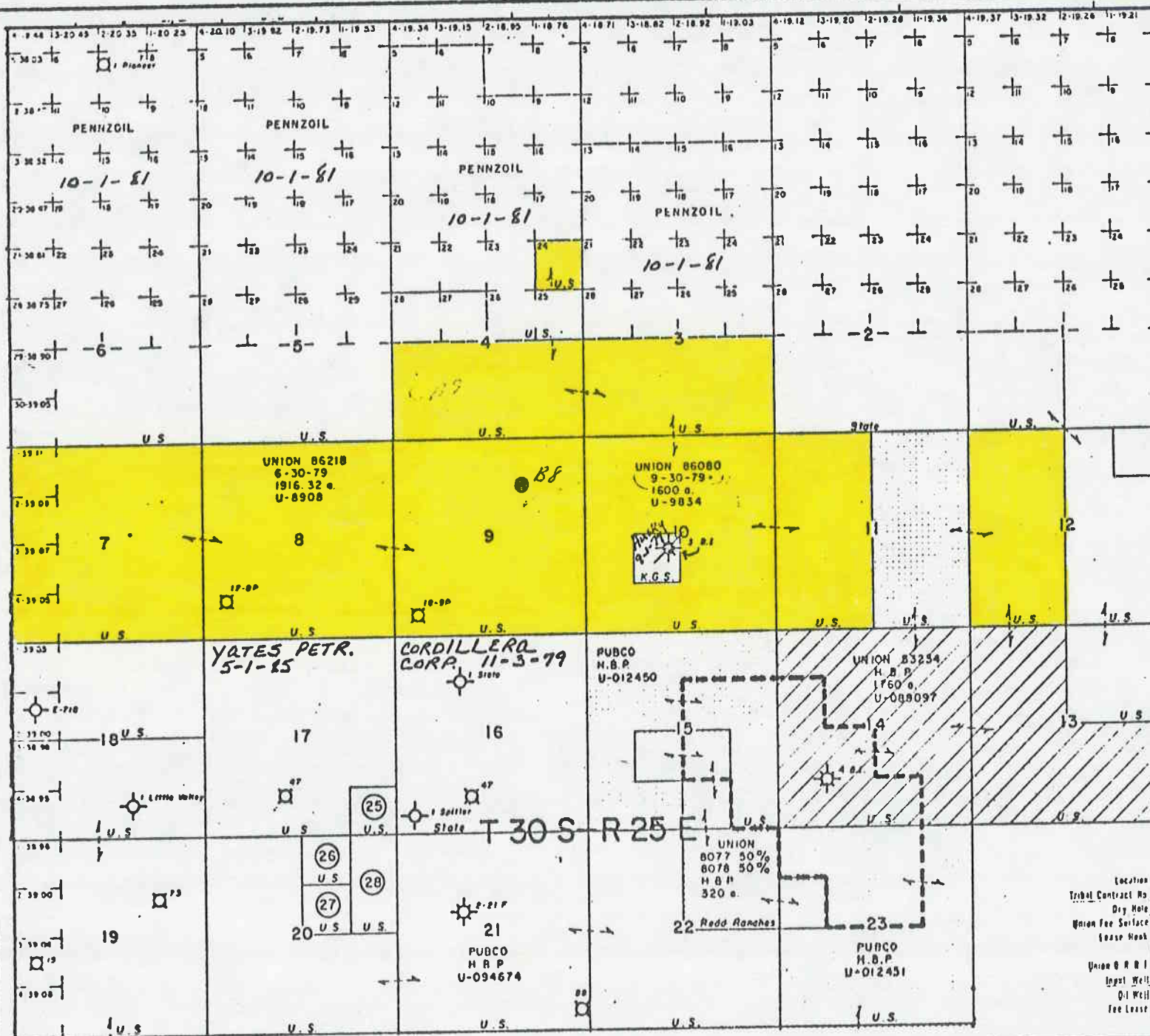
APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 7-30-79

BY:

M. J. Minder

*See Instructions on Reverse Side



LEGEND

Location	Union Lease No
Tribal Contract No	Option Expir Date
Dry Hole	Lease Expir Date
Union For Surface	Federal Serial No
Lease Hook	Land Hook
Union O R R I	Gas Well
Legal Well	State Serial No
Oil Well	Fractional Lease
Fee Lease	Shut-in Oil Well

UNION OIL & GAS DIVISION CENTRAL REGION
LAND MAP
 PROSPECT: BIG INDIAN PROSPECT NO 6516
 COUNTY: SAN JUAN STATE: UTAH
 DISTRICT: ROCKY MT. DATE: 10-10-78
 Scale 1" = 4000'

UNION OIL'S PURCHASE

Union Oil and Gas Division: Central Region *W*
Union Oil Company of California
Post Office Box 2620, Casper, Wyoming 82602
Telephone (307) 234-1563

union 76 n *P*

May 21, 1979



U.S. Geological Survey
Branch of Oil & Gas Operations
Federal Bldg.
701 Camino del Rio
Durango, CO 81301

Attn: Mr. E. A. Schmidt

Re: Application for Permit to Drill
Big Indian Well No. 8-B9
992' FNL & 2105' FEL
Sec. 9, T.30S., R.25E.
San Juan County, Utah

Gentlemen:

In connection with our Application for Permit to Drill the above captioned well, submitted to your office on April 16, 1979, and our request for approval to drill the unorthodox location shown above, submitted on May 16, 1979, we are enclosing four copies of the revised well location plats.

Very truly yours,

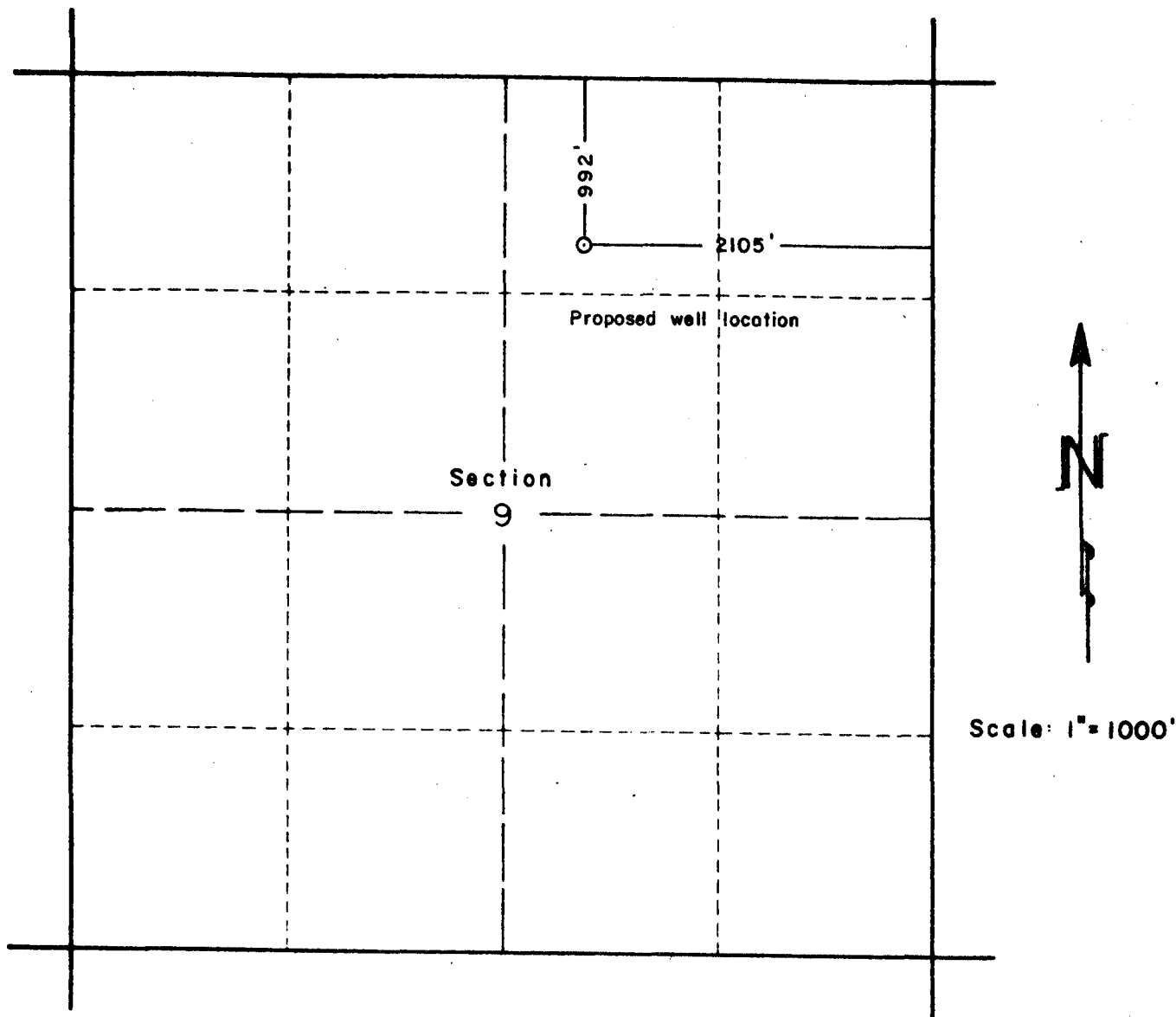
UNION OIL COMPANY OF CALIFORNIA

M. E. Dill

For: R. G. Ladd, Jr.
District Drilling Superintendent

DAG:pd
Enclosures

cc: Utah Oil & Gas Conservation Commission (3) ✓
Salt Lake City, Utah
Attn: Mike Minder



WELL LOCATION: Union Oil Co. Big Indian Unit No. 8-B9

Located 992 feet South of the North line and 2105 feet West of the East line of Section 9
 Township 30 South Range 25 East Salt Lake Base & Meridian
 San Juan County, Utah.
 Existing ground elevation determined at 6966 feet based on adjoining locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed
FREDERICK H. REED
 Registered Land Surveyor



UNION OIL CO. CASPER, WYO.	
WELL LOCATION PLAT Big Indian No. 8-B9 Sec. 9, T 30 S, R 25 E San Juan Co., Utah	
CLARK-REED & ASSOC. Durango, Colorado	DATE: May 13, 1979 FILE NO: 79033

DIVISION OF OIL, GAS, AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UNION OIL COMPANY OF CALIFORNIA

WELL NAME: Big Indian 8-B9

SECTION 9 TOWNSHIP 30 S RANGE 25 E , COUNTY San Juan

DRILLING CONTRACTOR

RIG #

SPUDDED: DATE June 15, 1979

TIME 4:30 a.m.

HOW

DRILLING WILL COMMENCE

REPORTED BY

TELEPHONE #

DATE June 15, 1979

SIGNED M. J. Minder

cc: U. S. Geological Survey
Jerry Long
Ronald Joseph

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Big Indian

9. WELL NO.

8-B9

10. FIELD AND POOL, OR WILDCAT

Big Indian

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 9, T.30S., R.25E.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6966' (Ungraded)

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
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☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) SPUD NOTICE

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐
☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 12-1/4" hole at 4:30 a.m., 6-15-79. Drilled to 218'. Opened 12-1/4" hole to 17-1/2" to 218'. Circulated 1/2 hour. Tripped out.

Ran and cemented 4 joints & 1 piece (206') of 13-3/8", 48#, H-40, 8RD, ST&C & Smls., new casing at 218' with 265 sacks cement. Displaced with 27.5 bbls. fresh water at 3-1/2 bpm at 200#. Plug did not bump. Released pressure and float held O.K. Circulated 50 sacks cement to surface. C.I.P. & J.C. at 4:15 p.m., 6-17-79. Drilling ahead.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.
R. G. Ladd, Jr.

TITLE

District Drlg. Supt.

DATE

6-18-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

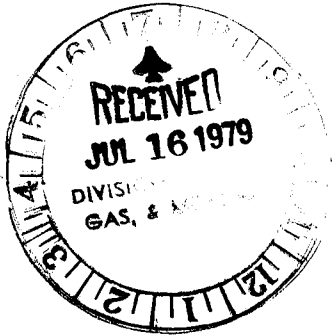
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Union Oil and Gas Division: Central Region
Union Oil Company of California
Post Office Box 2620, Casper, Wyoming 82602
Telephone (307) 234-1563



July 12, 1979



State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, UT 84116

Attn: Mr. Cleon B. Feight
Director

Re: Big Indian Well No. 8-B9
992' FNL & 2105' FEL
Sec. 9, T.30S., R.25E.
San Juan County, Utah

API No. 43-037-30483

Gentlemen:

The drilling contractor for subject well is Veco Drilling, Inc., and the rig is No. 2.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

A handwritten signature in cursive script, reading "R. G. Ladd, Jr.".

R. G. Ladd, Jr.
District Drilling Superintendent

RGL:pd

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Big Indian

9. WELL NO.

8-B9

10. FIELD AND POOL, OR WILDCAT

Big Indian

11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREA

Sec. 9, T.30S., R.25E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.
At surface

992' FNL & 2105' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6966' (Ungraded)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Supplementary Well History

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 3089'. Ran DIL, FDC & CNL, and Bore Hole Compensated Sonic Log with Gamma Ray and Caliper. Tripped in and circulated.

Ran and cemented 67 joints & 1 piece (3078.67') of 8-5/8", 32#, J-55, 8RD, ST&C, new casing at 3089' with 1200 sacks cement. Displaced with 94 bbls. mud. Cement circulated O.K. Maximum PDP 600#. Bumped plug with 2000# and closed D.V. okay. Released pressure with no flow back. Circulated 160 sacks cement to pit. J.C. & C.I.P. at 9:45 p.m., 7-12-79. W.O.C. Checked all D.C's., O.K. Tested BOP & surface equipment to 1500#, O.K. Drilling ahead at 3760'.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE

7-19-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

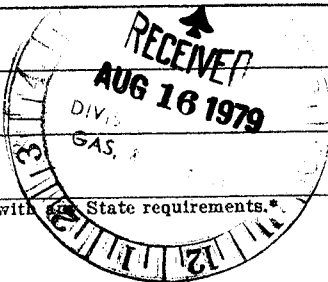
SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-8908	
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Big Indian	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.* See also space 17 below.) At surface 992' FNL & 2105' FEL		8. FARM OR LEASE NAME Big Indian	
14. PERMIT NO.		9. WELL NO. 8-B9	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6966' (Ungraded)		10. FIELD AND POOL, OR WILDCAT Big Indian	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T.30S., R.25E.	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Supplementary Well History <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 3813'. Circulated 8 hours and POOH for DST #1, Honaker Trail.

DST #1: Misrun..

Drilled to 3850'. Ran DST #2.

DST #2: Honaker Trail - 3782-3813'

Opened tool for 30 min. initial preflow with strong air blow continuing for 30 mins. S.I. 60 mins., opened for 60 min. flow period with strong air blow decreasing to fair air blow at end of period. S.I. 120 mins. POOH. Recovered 20' rat-hole drilling mud and no water or gas

IHP 1766#; IPF 55#; FPF (30) 55#; ISIP (60) 191#; IFP 55#; FFP (60) 55#; FSIP (120) 191#; FHP 1766#. BHT 97°

Drilled to 5038' T.D. at 11:00 a.m., 8-1-79. Circulated. Ran FDC/CNL w/GR & Caliper and BHC Sonic Log with GR & SP. Ran DIL, D.L.L., Dipmeter, and Directional Survey.

(CONTINUED ON ATTACHED SHEET)

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE

8-14-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

U.S. Geological Survey
Form 9-331

Union Oil Company of California
Big Indian Well No. 8-B9
San Juan County, Utah
8-14-79
Pg. 2

*Tripped in hole with D.P. open-ended to 4804'. Circulated 2-1/4 hours. Set cement plug #1 from 4801-4560' as follows: Pumped 25 bbls. fresh water followed by 100 sacks class "B" cement with 2% gel & 18% salt mixed at 14.7#/gal. Displaced with 4 bbls. fresh water followed by 28 bbls. mud. Had full returns while cementing. Pulled up to 4560'. Circulated. Had 15 sacks cement to pit. C.I.P. and J.C. at 5:40 a.m., 8-3-79. Finished circulating hole after spotting cement plug. POOH with D.P.

Ran and cemented 39 joints (1664.67') of 5-1/2" liner at 4,569.62' with float collar at 4,522.51' and top of liner hanger at 2,904.95' (184' overlap). Tagged cement plug at 4569'. Circulated 1/4 hour. Cemented liner as follows: Pumped 1000 gallons of mud flush, 15 bbls. fresh water, and 600 sacks 50-50 pozmix cement with 5# 20-40 sand/sack cement mixed at 14.5#/gallon. Tailed in with 50 sacks class "D" cement with 5# 20-40 sand/sack mixed at 15.6#/gallon. Dropped D.P. plug. Displaced with 21.5 bbls. fresh water when pressure bumped to 3000# with plug at top of liner hanger, then pressured to 6000#. Pressure broke back and finished displacing with total of 38 bbls. fresh water followed by 21 bbls. mud. Did not bump plug. Released pressure. Float held O.K. Maximum PDP 1000#. P.U. to 4446'. Reversed 250 sacks cement to pit. Had full returns while cementing. C.I.P. & J.C. at 8:40 p.m., 8-3-79. POOH with D.P., D.C., and stinger. W.O.C. 12 hours.

Tripped in hole with 7-7/8" bit on D.P. & D.C. to top of cement, 2762'. Drilled 141'/1-3/4 hours, from 2762-2903'. Circulated hole 1 hour. Displaced hole with fresh water. POOH laying down D.P. & D.C. P.U. 4-3/4" bit on 2-7/8" tubing. Tagged liner hanger at 2903', O.K. RIH to 4482'. Circulated hole with fresh water. P.U. to 4460'. Set slips.

Nippled down BOP stack. N.U. tubing spool and landed 143 joints of 2-7/8", 6.5#, J-55, 8RD, ST&C, new tubing with bit and bit sub on bottom of tubing at 4473'. Installed valve in tubing. Released rig at 6:00 p.m., 8-6-79. Moved off rotary rig.

MIRU service unit. Installed cellar and deadmen. N.U. BOP. Lowered tubing to 4482' ETD. Swabbed 190 bbls. water/8 hours. F.L. surface to 3900'. SION.

SICP & SITP zero/14 hours. Swabbed 15 bbls. water/1 1/2 hours. F.L. 3900' to bit at 4482'. POOH.

Ran CNL & GR logs. F.L. in 5-1/2" casing at 4234'. Ran perf guns to 3000' & pressured 8-5/8" & 5-1/2" casing to 1000# with nitrogen, O.K. Perfed 5-1/2" casing, Honaker Trail, 3281-89' and 3294-3300' with 1 spf. Pressure decreased to 950#. Prep to perf.

*Note: Received verbal approval from Mr. Jerry Long, USGS, Durango, CO, on 8-2-79 to plug back.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-8908	
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 992' FNL & 2105' FEL		8. FARM OR LEASE NAME Big Indian	
14. PERMIT NO.		9. WELL NO. 8-B9	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6966' (Ungraded)		10. FIELD AND POOL, OR WILDCAT Big Indian	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T.30S., R.25E.	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Union Oil Company of California proposes to plug & abandon subject well as follows:

Set 13-3/8" casing at 218' and cement to surface.

Set 8-5/8" casing at 3089' and cement to surface.

Set 5-1/2" liner at 2905' to 4570' and circulate cement.

Perfs 3281-4390' will be squeezed with 50 sacks cement below the permanent production packer at 3242' and 10 sacks of cement will be dumped on packer. A 60-sack cement plug will be spotted at 1510-1660' and a 30-sack cement plug will be spotted from 60' to surface. The location will be cleaned and a dry hole marker will be installed.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Aug. 27, 1979

BY: Frank W. Hammett

NOTE: Verbal approval for the above procedure was received from Jerry Long, USGS, Durango, on 8-20-79.

18. I hereby certify that the foregoing is true and correct

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 8-20-79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-8908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Big Indian

9. WELL NO.

8-B9

10. FIELD AND POOL, OR WILDCAT

Big Indian

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 9, T.30S., R.25E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

992' FNL & 2105' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6966' (Ungraded)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Supplementary Well History ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5038' TD

SICP 900 psi/18 hours with perfs 3281-89' and 3294-3300' open. Schlumberger ran CNL & GR logs. F.L. at 4234'. Perfed 3489-93', 3501-05', and 3511-16' with 1 spf with casing pressured to 1000 psi with N₂ prior to perforating. No increase or decrease in pressure after perforating. SICP 1000#/1½ hours. Bled casing pressure to 750#. SICP 750#/1½ hours. No change in pressure. Ran CNL & GR log. F.L. at 4234'. No change. Released pressure and RIH with tubing to 4482'. SDON.

SITP & SICP zero/15 hours. Opened tubing with no blow. Opened casing with faint blow dying immediately. Blew well dry by pumping 39,200 scf N₂ down casing and up tubing. POOH with tubing. Ran CNL & GR log. F.L. at 4478'. POOH with log. RIH with perf gun and pressured casing to 1000#. Perfed Honaker Trail, 3926-32' & 3940-3948' with 1 spf. No change after 1½ hours. Ran CNL & GR log. F.L. at 4478'. No change in F.L. Bled C.P. to 750# at 3:30 p.m., 8-15-79. SICP 750# for 15-1/2 hours.

Checked F.L. after 15-1/2 hour S.I. period. SICP 750#. F.L. at 4478'. No change. Pressured casing to 1000# with N₂. Perfed 4379-90', Honaker Trail, with 1 spf. No change in pressure after 1-1/2 hours. Ran CNL & GR log. F.L. at 4478'. Bled pressure to 750#. S.I. 1½ hours with no change. Ran CNL & GR log with F.L. at 4478'. No change.

(CONTINUED ON ATTACHED SHEET)

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE 8-20-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

U.S. Geological Survey
Form 9-331

Union Oil Company of California
Big Indian Well No. 8-B9
San Juan County, Utah
8-20-79
Pg. 2

P.U. Baker "FA" production packer on Schlumberger's electric line and broke slips on packer while running in lubricator. Pressured casing to 1000#. S.D.O.N. - waiting on packer 16-1/2 hours. No change in pressure.

SICP 1000 psi/16-1/2 hours. No change. R.U. Schlumberger. Ran & set production packer on wireline at 3242' with blanking plug in place at 3257' in "F" nipple. Bled casing pressure to zero.

Ran and landed 2-7/8" tubing at 3244.54' with 5000# comp. on packer. Nippled down BOP. Nippled up xmas tree. Pressured tubing with N₂ to 1100 psi, O.K. Rigged up wireline. Retrieved blanking plug. S.I.O.N. with 1000 psi tubing pressure.

S.D. 24 hours. SITP 850#/40 hours this a.m.

SICP 10#/40 hours. SITP 850#/40 hours. Treated perfs 3281-4390' with 10,000 gals. 7-1/2% HCl acid w/FE & silt sequestering additives, double inhibited, with 100 ball sealers & 1000 scf nitrogen/bbl. acid pumped at 5-3/4 to 5 bpm at 3000-3400 psi. No ball action. Flushed with 10,000 scf N₂ at 3400 psi. ISDP 3400 psi. 2800#/15 mins. Total load 340,000 scf N₂ and 240 bbls. acid water. Flowed to pit for 1-3/4 hours. FTP 2800-0. RIH and found F.L. at 3000'. Swabbed 4 bbls. acid water/1/2 hour. F.L. 3250' and tubing dry. S.D. 1 hour. Ran swab and checked F.L. at 3000'. 250' rise. Swabbed 2 bbls. acid water/1/4 hour. S.D. one hour.

Ran swab. F.L. at 3050'. 200' rise. Swabbed one bbl. acid water/1/4 hour - very slight gas blow. SICP 950#. SITP 0#. SDON.

Ran swab and checked F.L./8 hours. Had 50' fluid in hole on one run with faint odor of gas. S.D.O.N. Prep to plug and abandon.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. NAME OF OPERATOR
Union Oil Company of California
3. ADDRESS OF OPERATOR
P. O. Box 2620-Casper, WY 82602
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

992' FNL & 2105' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6966' (Ungraded)

5. LEASE DESIGNATION AND SERIAL NO.

U-8908

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Big Indian

9. WELL NO.

8-B9

10. FIELD AND POOL, OR WILDCAT

Big Indian

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 9, T.30S., R.25E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5038' TD

Plugged and abandoned subject well as follows:

13-3/8" casing was set at 218' and cemented to surface.

8-5/8" casing was set at 3089' and cemented to surface.

5-1/2" liner was set at 2905' to 4570' and cement circulated.

Perfs 3281-4390' were squeezed with 50 sacks cement below the permanent production packer at 3242' and 10 sacks cement was dumped on the packer. Spotted a 60-sack cement plug at 1510-1660' and a 30-sack cement plug from 60' to surface. Installed dry hole marker.

Well plugged & abandoned on 8-21-79.

NOTE: Received verbal approval of above procedure from Jerry W. Long, USGS, Durango, Colorado, on August 20, 1979.

The USGS & State will be notified by letter as soon as the location is cleaned up and ready for inspection.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE 8-23-79

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/> P & A		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Union Oil Company of California						5. LEASE DESIGNATION AND SERIAL NO. U-8908	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Big Indian	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 992' FNL & 2105' FEL - NWNE At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME Big Indian	
14. PERMIT NO. 43-037-30483						9. WELL NO. 8-B9	
DATE ISSUED 5-4-79						10. FIELD AND POOL, OR WILDCAT Big Indian	
15. DATE SPUDDED 6-15-79						11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 9, T.30S., R.25E.	
16. DATE T.D. REACHED 8-1-79						12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) P & A - 8-21-79						13. STATE Utah	
18. ELEVATIONS (DF, RESB, RT, GR, ETC.)* 6966' (Ungrd)						19. ELEV. CASINGHEAD 6965'	
20. TOTAL DEPTH, MD & TVD 5038'		21. PLUG, BACK T.D., MD & TVD ---		22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY 0 - TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NONE						25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC, CNL, BHC Sonic Log w/GR & Caliper DLL, Dipmeter						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13-3/8"		48#		218'		17-1/2"	
8-5/8"		32#		3,089'		12-1/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
5-1/2"		2,904.95'		4,569.62'		650 SX	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
---		---		---			
31. PERFORATION RECORD (Interval, size and number) (SEE ATTACHED SHEET)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				3281-4390'		Treated w/10,000 gals. 7 1/2% HCl acid.	
33.* PRODUCTION							
DATE FIRST PRODUCTION ---		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) ---				WELL STATUS (Producing or shut-in) Plugged & Abandoned	
DATE OF TEST ---		HOURS TESTED ---		CHOKE SIZE ---		PROD'N. FOR TEST PERIOD ---	
FLOW. TUBING PRESS. ---		CASING PRESSURE ---		CALCULATED 24-HOUR RATE ---		OIL—BBL. ---	
						GAS—MCF. ---	
						WATER—BBL. ---	
						OIL GRAVITY-API (CORR.) ---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N.A.						TEST WITNESSED BY ---	
35. LIST OF ATTACHMENTS (1) Sheet No. 2							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED R. G. Ladd, Jr.		TITLE District Drilling Supt.				DATE 8-29-79	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

NOTE: Blowout preventers tested daily in accordance with Union Oil Company policy and reported by Drilling Contractor.

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NO CORES.
			SEE DST'S ON SHEET NO. 2.
			PLUGGED & ABANDONED AS FOLLOWS: 13-3/8" casing set at 218' & cmt'd to sfc. 8-5/8" casing set at 3089' & cmt'd to sfc. 5-1/2" liner set at 2905' to 4570' & cmt. circulated. Perfs 3281-4390' were sqzd. with 50 sx. cement below the permanent production packer at 3242' & 10 sacks cmt. dumped on the packer. Spotted a 60-sack cement plug at 1510-1660' & a 30-sack cmt. plug from 60' to sfc. Installed dry hole marker. Well plugged & abandoned 8-21-79.
			NOTE: Received verbal approval of above procedure from Jerry W. Long, USGS, Durango, Colorado, on 8-20-79.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Summerville(Jur)	526'		
Entrada	840'		
Carmel	992'		
Navajo	1,033'		
Kayenta(Jur-Tri)	1,614'		
Wingate	1,850'		
Chinle(Tri)	2,135'		
Shinarump	2,378'		
Cutler Silt(Perm)	3,057'		
Honaker Trail (Penn)	3,723'		
Desert Creek Salt	4,792'		

U.S. Geological Survey
Form 9-330

Union Oil Company of California
Big Indian No. 8-B9
San Juan Co., Utah
8-29-79
Sheet 2

31. Perforation Record:

(Set cement plug from 4801-4560' prior to perforating.)

3281-3289' - Honaker Trail - 1 spf
3294-3300' - Honaker Trail - 1 spf
3489-3493' - Honaker Trail - 1 spf
3501-3505' - Honaker Trail - 1 spf
3511-3516' - Honaker Trail - 1 spf
3926-3932' - Honaker Trail - 1 spf
3940-3948' - Honaker Trail - 1 spf
4379-4390' - Honaker Trail - 1 spf

37. Drill Stem Tests:

DST #1: Honaker Trail

Misrun.

DST #2: Honaker Trail - 3782-3813'

Opened tool for 30 min. initial preflow with strong air blow continuing for 30 mins. S.I. 60 mins. Opened for 60 min. flow period with strong air blow decreasing to fair air blow at end of period. S.I. 120 mins. POOH. Recovered 20' rat-hole drilling mud and no water or gas.

IHP 1766#. IPF 55#. FPF (30) 55#. ISIP
(60) 191#. IFP 55#. FFP (60) 55#. FSIP
(120) 191#. FHP 1766#.

BHT 97°